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EEEEEEEEEEEEEEE  VVV         VVV  LLL
EEEEEEEEEEEEEEE  VVV         VVV  LLL
EEEEEEEEEEEEEEE  VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEEEEEEEEEEE     VVV         VVV  LLL
EEEEEEEEEEEE     VVV         VVV  LLL
EEEEEEEEEEEE     VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEE              VVV         VVV  LLL
EEE                 VVV   VVV     LLL
EEE                 VVV   VVV     LLL
EEE                 VVV   VVV     LLL
EEEEEEEEEEEEEEE        VVV        LLLLLLLLLLLLLLL
EEEEEEEEEEEEEEE        VVV        LLLLLLLLLLLLLLL
EEEEEEEEEEEEEEE        VVV        LLLLLLLLLLLLLLL
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J 3

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**FILE**ID**EVCDEF





EEEEEEEEEE  VV      VV    CCCCCCCC  DDDDDDDD    EEEEEEEEEE  FFFFFFFFFF
EEEEEEEEEE  VV      VV    CCCCCCCC  DDDDDDDD    EEEEEEEEEE  FFFFFFFFFF
EE          VV      VV  CC          DD      DD  EE          FF
EE          VV      VV  CC          DD      DD  EE          FF
EE          VV      VV  CC          DD      DD  EE          FF
EE          VV      VV  CC          DD      DD  EE          FF
EEEEEEEE    VV      VV  CC          DD      DD  EEEEEEEE    FFFFFFFF
EEEEEEEE    VV      VV  CC          DD      DD  EEEEEEEE    FFFFFFFF
EE          VV      VV  CC          DD      DD  EE          FF
EE          VV      VV  CC          DD      DD  EE          FF
EE            VV  VV    CC          DD      DD  EE          FF                ....
EE            VV  VV    CC          DD      DD  EE          FF                ....
EEEEEEEEEE      VV        CCCCCCCC  DDDDDDDD    EEEEEEEEEE  FF                ....
EEEEEEEEEE      VV        CCCCCCCC  DDDDDDDD    EEEEEEEEEE  FF                ....

LL            IIIIII      SSSSSSSS
LL            IIIIII      SSSSSSSS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II      SS
LL              II        SSSSSS
LL              II        SSSSSS
LL              II              SS
LL              II              SS
LL              II              SS
LL              II              SS
LLLLLLLLLL    IIIIII    SSSSSSSS
LLLLLLLLLL    IIIIII    SSSSSSSS
```

```
;    0001  0     !
;    0002  0     ! Version:      'V04-000'
;    0003  0     !
;    0004  0     !****************************************************************************
;    0005  0     !*                                                                          *
;    0006  0     !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
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;    0022  0     !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
;    0023  0     !*                                                                          *
;    0024  0     !*                                                                          *
;    0025  0     !****************************************************************************
;    0026  0
;    0027  0     !++
;    0028  0     !
;    0029  0     ! NMAHEAD.B32
;    0030  0     !
;    0031  0     !       Define $EQULST macro to make library from the NMALIBRY.B32 file
;    0032  0     !
;    0033  0     !       This source is taken from the following source:
;    0034  0     !--
;    0035  0     !++
;    0036  0     !
;    0037  0     ! UTLDEF.B32 - UTILITY DEFINITION MACROS FOR BLISS PROCESSING
;    0038  0     ! OF STARLET DEFINITION MACROS.
;    0039  0     !
;    0040  0     !--
;    0041  0
;    0042  0
;    0043  0     !
;    0044  0     ! MACRO TO GENERATE EQULST CONSTRUCTS.
;    0045  0     !
;    0046  0     MACRO
;  M 0047  0             $EQULST(P,G,I,S)[A]=
;  M 0048  0                 %NAME(P,GET1ST_ A) =
;  M 0049  0                     %IF NUL2ND_ A
;  M 0050  0                     %THEN (I) + %COUNT*(S)  ! ASSUMES I, S ALWAYS GENERATED BY CONVERSION PROGRAM
;  M 0051  0                     %ELSE GET2ND_ A
;    0052  0                     %FI %,
;    0053  0
;  M 0054  0             GET1ST_(A,B)=
;    0055  0                 A %,
;  M 0056  0             GET2ND_(A,B)=
;    0057  0                 B %,        ! KNOWN NON-NULL
; M 0058  0             NUL2ND (A,B)=
;   0059  0                 %NULL(B) %;
;   0060  0
;   0061  0       !
;   0062  0       !     End of NMAHEAD
;   0063  0       !
```

```
0       !       .TITLE  EVCDEF          Network Event Logger Definitions
0       !       .IDENT  'V04-000'
0
0
0       !
0       !****************************************************************************
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0       !*                                                                          *
0       !*                                                                          *
0       !****************************************************************************
0       !
0
0       !++
0       ! FACILITY:     DECnet-VAX Network Management Components
0       !               for Event Logging
0       !
0       ! ABSTRACT:
0       !
0       !       Common Definitions for Network Management Event Logging
0       !       These definitions are used by other components of the
0       !       network.
0       !
0       ! ENVIRONMENT: VAX/VMS Operating System
0       !
0       ! AUTHOR:       Darrell Duffy, Tim Halvorsen, 13-June-1980
0       !
0       ! MODIFIED BY:
0       !
0       !       V011    MKP0001         Kathy Perko             12-June-1984
0       !               Add Ethernet address to Management layer events.
0       !
0       !       V010    TMH0010         Tim Halvorsen           26-Apr-1983
0       !               Add "verification password required from Phase III node"
0       !               and "dropped by adjacent node" Routing Layer reasons.
0       !
0       !       V009    TMH0009         Tim Halvorsen           08-Apr-1983
0       !               Make ECOs approved during the March 1983 DRG meetings.
0       !
0       !       V008    TMH0008         Tim Halvorsen           22-Nov-1982
0       !               Add "area" to the list of event sources.
```

```
;  0121  0     !                Add new DTE parameter for event class 0.
;  0122  0     !
;  0123  0     !        V007    TMH0007         Tim Halvorsen           26-Sep-1982
;  0124  0     !                Add VMS-specific events for process creation/termination.
;  0125  0     !                Add "module" to the list of event sources.
;  0126  0     !                Add DTE up/down events, newly added to DNA NM.
;  0127  0     !
;  0128  0     !        V006    TMH0006         Tim Halvorsen           27-Jul-1982
;  0129  0     !                Add Transport Phase IV events, and new "adjacent node"
;  0130  0     !                transport layer event parameter.
;  0131  0     !
;  0132  0     !        V005    TMH0005         Tim Halvorsen           05-Apr-1982
;  0133  0     !                Fix comments describing raw event buffer.
;  0134  0     !                Fix typo in SCL reason code symbol.
;  0135  0     !
;  0136  0     !        V004    TMH0004         Tim Halvorsen           11-Nov-1981
;  0137  0     !                Add Duplicate Phase II transport initialization event.
;  0138  0     !
;  0139  0     !        V003    TMH0003         Tim Halvorsen           05-Aug-1981
;  0140  0     !                Add DAP CRC VMS-specific event
;  0141  0     !
;  0142  0     !        V002    TMH0002         Tim Halvorsen           07-Jul-1981
;  0143  0     !                Add new 2.2 events.
;  0144  0     !
;  0145  0     !        V001    TMH0001         Tim Halvorsen           19-Dec-1980
;  0146  0     !                Make line and node ID codes conform to the DNA entity
;  0147  0     !                numbering scheme.
;  0148  0     !--
;     0149  0
;     0150  0
;     0151  0
;     0152  0      !
;     0153  0      !       Symbols for event codes
;     0154  0      !
;     0155  0
;     0156  0      !...$EVCDEF
;     0157  0
;     0158  0      !
;     0159  0      !       Symbols for event classes
;     0160  0      !
;     0161  0
;     0162  0      LITERAL
; P   0163  0      $EQULST (EVC$C_,GBL,0,1
; P   0164  0
; P   0165  0              ,(CLS_NMA, 0)                              ! Network management
; P   0166  0              ,(CLS_APL, 1)                              ! Application layer
; P   0167  0              ,(CLS_SCL, 2)                              ! Session control layer
; P   0168  0              ,(CLS_NSL, 3)                              ! Network services layer
; P   0169  0              ,(CLS_TPL, 4)                              ! Transport layer
; P   0170  0              ,(CLS_DLL, 5)                              ! Data link layer
; P   0171  0              ,(CLS_PLL, 6)                              ! Physical link layer
; P   0172  0              ,(CLS_VMS, 128)                                    ! VMS Specific
; P   0173  0
;     0174  0              );
;     0175  0
;     0176  0      LITERAL
; P   0177  0      $EQULST (EVC$C_,GBL,0,1                                    ! Source codes
; P   0178  0
; P   0179  0              ,(SRC_NON, 255)                                    ! No source id
; P   0180  0              ,(SRC_NOD, 0)                              ! Node source
; P   0181  0              ,(SRC_LIN, 1)                              ! Line source
; P   0182  0              ,(SRC_CIR, 3)                              ! Circuit source
; P   0183  0              ,(SRC_MOD, 4)                              ! Module source
; P   0184  0              ,(SRC_ARE, 5)                              ! Area source
; P   0185  0
; P   0186  0              ,(WLDCLS_KNO, 3)                                   ! Value for known events
; P   0187  0              ,(WLDCLS_ALL, 2)                                   ! Value of all events in class
; P   0188  0
;     0189  0              );
;     0190  0
;     0191  0                                                                 ! Mask values for sink flags
;     0192  0
;     0193  0      MACRO           EVC$V_SNKFLG_CON        = 0,0,1,0%;                     ! Console
;     0194  0      LITERAL         EVC$M_SNKFLG_CON        = 1^1 - 1^0;
;     0195  0      MACRO           EVC$V_SNKFLG_FIL        = 0,1,1,0%;                     ! File
;     0196  0      LITERAL         EVC$M_SNKFLG_FIL        = 1^2 - 1^1;
;     0197  0      MACRO           EVC$V_SNKFLG_MON        = 0,2,1,0%;                     ! Monitor
;     0198  0      LITERAL         EVC$M_SNKFLG_MON        = 1^3 - 1^2;
;     0199  0
;     0200  0
;     0201  0
;      0202  0
;      0203  0
;      0204  0
;      0205  0        !
;      0206  0        !       Specific event codes, note that values contain the event class
;      0207  0        !       as well as the code.
;      0208  0        !
;      0209  0
;      0210  0        LITERAL
;    P 0211  0        $EQULST (EVC$C_,GBL,0,1
;    P 0212  0
;    P 0213  0                ,(NMA_LOS, 0^6+0)                          ! event records lost
;    P 0214  0                ,(NMA_ANC, 0^6+1)                          ! automatic node counters
;    P 0215  0                ,(NMA_ALC, 0^6+2)                          ! automatic line counters
;    P 0216  0                ,(NMA_ALS, 0^6+3)                          ! automatic line service
;    P 0217  0                ,(NMA_LCZ, 0^6+4)                          ! circuit counters zeroed
;    P 0218  0                ,(NMA_NCZ, 0^6+5)                          ! node counters zeroed
;    P 0219  0                ,(NMA_PSL, 0^6+6)                          ! passive loopback
;    P 0220  0                ,(NMA_ABS, 0^6+7)                          ! aborted service request
;    P 0221  0                ,(NMA_CTR, 0^6+8)                          ! automatic counters
;    P 0222  0                ,(NMA_ZER, 0^6+9)                          ! counters zeroed
;    P 0223  0
;    P 0224  0                ,(SCL_LNS, 2^6+0)                          ! local node state change
;    P 0225  0                ,(SCL_ACR, 2^6+1)                          ! access control reject
;    P 0226  0
;    P 0227  0                ,(NSL_IMS, 3^6+0)                          ! invalid message
;    P 0228  0                ,(NSL_IFC, 3^6+1)                          ! invalid flow control
;    P 0229  0                ,(NSL_DBR, 3^6+2)                          ! data base reused
;    P 0230  0
;    P 0231  0                ,(TPL_APL, 4^6+0)                          ! aged packet loss
;    P 0232  0                ,(TPL_UPL, 4^6+1)                          ! node unreachable packet loss
;    P 0233  0                ,(TPL_RPL, 4^6+2)                          ! node out-of-range packet loss
;    P 0234  0                ,(TPL_OPL, 4^6+3)                          ! oversized packet loss
;    P 0235  0                ,(TPL_PFM, 4^6+4)                          ! packet format error
;    P 0236  0                ,(TPL_PRU, 4^6+5)                          ! partial routing update loss
;    P 0237  0                ,(TPL_VFR, 4^6+6)                          ! verification reject
;    P 0238  0                ,(TPL_LDF, 4^6+7)                          ! circuit down, circuit fault
;    P 0239  0                ,(TPL_CDS, 4^6+8)                          ! circuit down
;    P 0240  0                ,(TPL_CDO, 4^6+9)                          ! circuit down, operator initiated
;    P 0241  0                ,(TPL_LUP, 4^6+10)                         ! circuit up
;    P 0242  0                ,(TPL_ILF, 4^6+11)                         ! initialization failure, circuit fault
;    P 0243  0                ,(TPL_ISF, 4^6+12)                         ! initialization failure, software fault
;    P 0244  0                ,(TPL_IOF, 4^6+13)                         ! initialization failure, operator fault
;    P 0245  0                ,(TPL_RCH, 4^6+14)                         ! node reachability change
;    P 0246  0                ,(TPL_AUP, 4^6+15)                         ! adjacency up
;    P 0247  0                ,(TPL_ARJ, 4^6+16)                         ! adjacency rejected
;    P 0248  0                ,(TPL_ACH, 4^6+17)                         ! area reachability change
;    P 0249  0                ,(TPL_LDS, 4^6+18)                         ! adjacency down
;    P 0250  0                ,(TPL_LDO, 4^6+19)                         ! adjacency down, operator initiated
;    P 0251  0
;    P 0252  0                ,(DLL_LSC, 5^6+0)                          ! locally initiated state change
;    P 0253  0                ,(DLL_RSC, 5^6+1)                          ! remotely initiated state change
;    P 0254  0                ,(DLL_PRS, 5^6+2)                          ! protocol restart received in maintenance mode
;    P 0255  0                ,(DLL_SND, 5^6+3)                          ! send error threshold
;    P 0256  0                ,(DLL_RET, 5^6+4)                          ! receive error threshold
;    P 0257  0                ,(DLL_SLC, 5^6+5)                          ! select error threshold
;    P 0258  0                ,(DLL_BHF, 5^6+6)                          ! block header format error
; P 0259  0             .(DLL_SAD, 5^6+7)                               ! selection address error
; P 0260  0             .(DLL_STT, 5^6+8)                               ! streaming tributary
; P 0261  0             .(DLL_LBS, 5^6+9)                               ! local buffer too small
; P 0262  0             .(DLL_RST, 5^6+10)                              ! restart (x.25 protocol)
; P 0263  0             .(DLL_STC, 5^6+11)                              ! state change (x.25 protocol)
; P 0264  0             .(DLL_RME, 5^6+12)                              ! retransmit maximum exceeded (x.25)
; P 0265  0             .(DLL_IFL, 5^6+13)                              ! initialization failure
; P 0266  0             .(DLL_SFL, 5^6+14)                              ! send failure
; P 0267  0             .(DLL_RFL, 5^6+15)                              ! receive failure
; P 0268  0             .(DLL_CDC, 5^6+16)                              ! collision detect check failed
; P 0269  0             .(DLL_DTU, 5^6+17)                              ! DTE up (x.25 protocol)
; P 0270  0             .(DLL_DTD, 5^6+18)                              ! DTE down (x.25 protocol)
; P 0271  0
; P 0272  0             .(PLL_DSR, 6^6+0)                               ! data set ready transition
; P 0273  0             .(PLL_RIN, 6^6+1)                               ! ring indicator transition
; P 0274  0             .(PLL_CAR, 6^6+2)                               ! unexpected carrier transition
; P 0275  0             .(PLL_MEM, 6^6+3)                               ! memory access error
; P 0276  0             .(PLL_COM, 6^6+4)                               ! communications interface error
; P 0277  0             .(PLL_PFM, 6^6+5)                               ! performance error
; P 0278  0
; P 0279  0             .(VMS_DBC, 128^6+0)                     ! logging data base change
; P 0280  0                                             !       (no parameters)
; P 0281  0                                             !
; P 0282  0             .(VMS_DPC, 128^6+1)                     ! DAP CRC error
; P 0283  0                                             !       remote node
; P 0284  0                                             !
; P 0285  0             .(VMS_DP2, 128^6+2)                     ! Duplicate Phase II initialization
; P 0286  0                                             !       (no parameters)
; P 0287  0                                             !
; P 0288  0             .(VMS_PCR, 128^6+3)                     ! process creation
; P 0289  0                                             !       name
; P 0290  0                                             !       PID
; P 0291  0                                             !       status (creation)
; P 0292  0                                             !
; P 0293  0             .(VMS_PTR, 128^6+4)                     ! process termination
; P 0294  0                                             !       PID
; P 0295  0                                             !       status (termination)
; P 0296  0
;   0297  0             );
;   0298  0
;   0299  0
;   0300  0
;   0301  0      !
;   0302  0      !      Event Parameter Codes
;   0303  0      !
;   0304  0
;   0305  0      LITERAL
; P 0306  0      $EQULST (EVC$C_,GBL,0,1
; P 0307  0
; P 0308  0             ,(NMA_PSER, 0)                           ! service
; P 0309  0             ,(NMA_PSER_LOA, 0)                               ! load
; P 0310  0             ,(NMA_PSER_DUM, 1)                               ! dump
; P 0311  0             ,(NMA_PSTS, 1)                           ! status
; P 0312  0             ,(NMA_POPR, 2)                           ! operation
; P 0313  0             ,(NMA_POPR_INI, 0)                               ! initiated
; P 0314  0             ,(NMA_POPR_TER, 1)                               ! terminated
; P 0315  0             ,(NMA_PRSN, 3)                           ! reason
; P 0316  0             ,(NMA_PRSN_TMO, 0)                               ! receive timeout
; P 0317  0             ,(NMA_PRSN_ERR, 1)                               ! receive error
; P 0318  0             ,(NMA_PRSN_LSC, 2)                               ! line state change by higher level
; P 0319  0             ,(NMA_PRSN_UNR, 3)                               ! unrecognized request
; P 0320  0             ,(NMA_PRSN_LOE, 4)                               ! line open error
; P 0321  0             ,(NMA_PNOD, 5)                           ! Node ID
; P 0322  0             ,(NMA_PDTE, 6)                           ! DTE address (AI-16)
; P 0323  0             ,(NMA_PFIL, 7)                           ! Filespec
; P 0324  0             ,(NMA_PSTY, 8)                           ! Software type
; P 0325  0             ,(NMA_PSNI, 9)                           ! Source NI address
; P 0326  0
; P 0327  0             ,(SCL_PRSN, 0)                           ! reason
; P 0328  0             ,(SCL_PRSN_OPC, 0)                               ! operator command
; P 0329  0             ,(SCL_PRSN_NOR, 1)                               ! normal operation
; P 0330  0             ,(SCL_POLD, 1)                           ! old state
; P 0331  0                                                ! use node states for code
; P 0332  0             ,(SCL_PNEW, 2)                           ! new state
; P 0333  0                                                ! use node states for code
; P 0334  0             ,(SCL_PNOD, 3)                           ! source node
; P 0335  0             ,(SCL_PSPC, 4)                           ! source process
; P 0336  0             ,(SCL_PDPC, 5)                           ! destination process
; P 0337  0             ,(SCL_PUSR, 6)                           ! user identification
; P 0338  0             ,(SCL_PPSW, 7)                           ! password
; P 0339  0             ,(SCL_PACC, 8)                           ! account
; P 0340  0
; P 0341  0             ,(NSL_PMSG, 0)                           ! message
; P 0342  0             ,(NSL_PFLO, 1)                           ! current flow control
; P 0343  0             ,(NSL_PNOD, 2)                           ! source node
; P 0344  0
; P 0345  0             ,(TPL_PPKH, 0)                           ! packet header
; P 0346  0             ,(TPL_PPKB, 1)                           ! packet beginning
; P 0347  0             ,(TPL_PHIA, 2)                           ! highest address
; P 0348  0             ,(TPL_PNOD, 3)                           ! node
; P 0349  0             ,(TPL_PEXP, 4)                           ! expected node
; P 0350  0             ,(TPL_PRSN, 5)                           ! reason
; P 0351  0             ,(TPL_PRSN_SYNC, 0)                              ! line synchronization lost
; P 0352  0             ,(TPL_PRSN_DAER, 1)                              ! data errors
; P 0353  0             ,(TPL_PRSN_UXPK, 2)                              ! unexpected packet type
; P 0354  0             ,(TPL_PRSN_RUCS, 3)                              ! routing update checksum error
; P 0355  0                  ,(TPL_PRSN_ADJC, 4)                                ! adjacent node address change
; P 0356  0                  ,(TPL_PRSN_VTMO, 5)                                ! verification receive timeout
; P 0357  0                  ,(TPL_PRSN_VRSK, 6)                                ! version skew
; P 0358  0                  ,(TPL_PRSN_ADJR, 7)                                ! adjacent node address out of range
; P 0359  0                  ,(TPL_PRSN_ADJB, 8)                                ! adjacent node block size too small
; P 0360  0                  ,(TPL_PRSN_SEED, 9)                                ! invalid verification seed value
; P 0361  0                  ,(TPL_PRSN_LTMO, 10)                               ! adjacent node listener receive timeout
; P 0362  0                  ,(TPL_PRSN_LINV, 11)                               ! adjacent node listener received invalid data
; P 0363  0                  ,(TPL_PRSN_CFAI, 12)                               ! call failed
; P 0364  0                  ,(TPL_PRSN_VREQ, 13)                               ! verification password required from Phase III node
; P 0365  0                  ,(TPL_PRSN_DROP, 14)                               ! dropped by adjacent node
; P 0366  0                  ,(TPL_PVRS, 6)                             ! received version
; P 0367  0                  ,(TPL_PSTS, 7)                             ! status
; P 0368  0                  ,(TPL_PSTS_RCH, 0)                                 ! reachable
; P 0369  0                  ,(TPL_PSTS_URC, 1)                                 ! unreachable
; P 0370  0                  ,(TPL_PADJ, 8)                             ! adjacent node
; P 0371  0
; P 0372  0                  ,(DLL_POLD, 0)                             ! old state
; P 0373  0                  ,(DLL_POLD_HALT, 0)                                ! halted
; P 0374  0                  ,(DLL_POLD_ISTR, 1)                                ! istrt
; P 0375  0                  ,(DLL_POLD_ASTR, 2)                                ! astrt
; P 0376  0                  ,(DLL_POLD_RUNG, 3)                                ! running
; P 0377  0                  ,(DLL_POLD_MAIN, 4)                                ! maintenance
; P 0378  0                  ,(DLL_PNEW, 1)                             ! new state
; P 0379  0                  ,(DLL_PHDR, 2)                             ! header
; P 0380  0                  ,(DLL_PSLT, 3)                             ! selected tributary
; P 0381  0                  ,(DLL_PPVT, 4)                             ! previous tributary
; P 0382  0                  ,(DLL_PTST, 5)                             ! tributary status
; P 0383  0                  ,(DLL_PTST_STRM, 0)                                ! streaming
; P 0384  0                  ,(DLL_PTST_STMO, 1)                                ! continued send after timeout
; P 0385  0                  ,(DLL_PTST_SDES, 2)                                ! continued send after deselect
; P 0386  0                  ,(DLL_PTST_ESTR, 3)                                ! ended streaming
; P 0387  0                  ,(DLL_PRTB, 6)                             ! received tributary
; P 0388  0                  ,(DLL_PBKL, 7)                             ! block length
; P 0389  0                  ,(DLL_PBFL, 8)                             ! buffer length
; P 0390  0                  ,(DLL_PDTE, 9)                             ! DTE (ascic)
; P 0391  0                  ,(DLL_PRSN, 10)                                    ! Reason
; P 0392  0                  ,(DLL_PRSN_OPER, 0)                                ! operator command
; P 0393  0                  ,(DLL_PRSN_NORM, 1)                                ! normal operation
; P 0394  0                  ,(DLL_POST, 11)                                    ! Old X.25 state (only event 5.11)
; P 0395  0                  ,(DLL_POST_ON, 0)                                          ! on
; P 0396  0                  ,(DLL_POST_OFF, 1)                                         ! off
; P 0397  0                  ,(DLL_POST_SHUT, 2)                                ! shut
; P 0398  0                  ,(DLL_PNST, 12)                                    ! New X.25 state (only event 5.11)
; P 0399  0                  ,(DLL_PTYP, 13)                                    ! Parameter type (DNA numbering scheme)
; P 0400  0                  ,(DLL_PCAU, 14)                                    ! Cause (byte)
; P 0401  0                  ,(DLL_PDIA, 15)                                    ! Diagnostic (byte)
; P 0402  0                  ,(DLL_PFRS, 16)                                    ! failure reason
; P 0403  0                  ,(DLL_PFRS_EXCO, 0)                                ! excessive collisions
; P 0404  0                  ,(DLL_PFRS_CACK, 1)                                ! carrier check failed
; P 0405  0                                                             ! (2 is obsolete)
; P 0406  0                  ,(DLL_PFRS_SHCI, 3)                                ! short circuit
; P 0407  0                  ,(DLL_PFRS_OPCI, 4)                                ! open circuit
; P 0408  0                  ,(DLL_PFRS_FLNG, 5)                                ! frame too long
; P 0409  0                  ,(DLL_PFRS_RFTD, 6)                                ! remote failure to defer
; P 0410  0                  ,(DLL_PFRS_BCHK, 7)                                ! block check error
; P 0411  0                  ,(DLL_PFRS_FRAM, 8)                                ! framing error
; P 0412  0             ,(DLL_PFRS_OVER, 9)                      ! data overrun
; P 0413  0             ,(DLL_PFRS_SBU, 10)                      ! system buffer unavailable
; P 0414  0             ,(DLL_PFRS_UBU, 11)                      ! user buffer unavailable
; P 0415  0             ,(DLL_PFRS_UNPT, 12)                     ! unrecognized frame destination
; P 0416  0             ,(DLL_PDIS, 17)                          ! distance
; P 0417  0             ,(DLL_PEHD, 18)                          ! ethernet header
; P 0418  0             ,(DLL_PHWS, 19)                          ! hardware status (any noncoded type)
; P 0419  0
; P 0420  0             ,(PLL_PDVR, 0)                   ! device register
; P 0421  0             ,(PLL_PNEW, 1)                   ! new state
; P 0422  0             ,(PLL_PNEW_OFF, 0)                       ! off
; P 0423  0             ,(PLL_PNEW_ON, 1)                        ! on
; P 0424  0
; P 0425  0             ,(VMS_PNOD, 0)                   ! Remote node (CM-1/2, DU-2, AI-6)
; P 0426  0             ,(VMS_PPRC, 1)                   ! (process) name (AI-16)
; P 0427  0             ,(VMS_PPID, 2)                   ! (process) PID (H-4)
; P 0428  0             ,(VMS_PSTS, 3)                   ! (process) status (H-4)
;   0429  0             );
;   0430  0
;   0431  0
;   0432  0                       ! End of EVC structure
;   0433  0
```

```



!
!       Raw event structure
!

!...$RAWDEF

MACRO           RAW$W_BYTES     = 0,0,16,0%;            ! Number of bytes including this count
MACRO           RAW$T_SYSTIM    = 2,0,0,0%;             ! 64 bit system time of event
LITERAL         RAW$S_SYSTIM    = 8;
MACRO           RAW$W_EVTCODE   = 10,0,16,0%;           ! DNA event code

MACRO           RAW$V_EVTTYP    = 10,0,6,0%;            ! Type number of event
LITERAL         RAW$M_EVTTYP    = 1^6 - 1^0;
MACRO           RAW$V_EVTCLS    = 10,6,9,0%;            ! Class number of event
LITERAL         RAW$M_EVTCLS    = 1^15 - 1^6;


MACRO           RAW$B_SRCTYP    = 12,0,8,0%;            ! DNA source type code
MACRO           RAW$T_SRCID     = 13,0,0,0%;            ! Source code
LITERAL         RAW$S_SRCID     = 17;
MACRO           RAW$T_DATA      = 30,0,8,0%;            ! Event data starts here in DNA format
                                ! (may be mixed counters and/or parameters)
LITERAL         RAW$C_SIZE      = 31;
LITERAL         RAW$K_SIZE      = 31;

!
!       End of EVCDEF.MDL
!
```

```
;   0465  0       !
;   0466  0       ! Version:      'V04-000'
;   0467  0       !
;   0468  0       !****************************************************************************
;   0469  0       !*                                                                          *
;   0470  0       !*  COPYRIGHT (c) 1978, 1980, 1982, 1984 BY                                 *
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;   0486  0       !*  SOFTWARE ON EQUIPMENT WHICH IS NOT SUPPLIED BY DIGITAL.                 *
;   0487  0       !*                                                                          *
;   0488  0       !*                                                                          *
;   0489  0       !****************************************************************************
;   0490  0
;   0491  0       !++
;   0492  0       !       NMATAIL.B32
;   0493  0       !
;   0494  0       !       Source to undeclare the macros required for the precompile of
;   0495  0       !       NMALIBRY.B32 so they do not appear in the library.
;   0496  0       !--
;   0497  0
;   0498  0
;   0499  0       UNDECLARE %QUOTE $EQULST,
;   0500  0               %QUOTE GET1ST_,
;   0501  0               %QUOTE GET2ND_,
;   0502  0               %QUOTE NUL2ND_
;   0503  0               ;
;   0504  0
;   0505  0       !
;   0506  0       !       End of NMATAIL.B32
;   0507  0       !



;                                       COMMAND QUALIFIERS

;       BLISS/LIBRARY=LIB$:EVCDEF/LIST=LIS$:EVCDEF SRC$:LIBHEAD+LIB$:EVCDEF+SRC$:LIBTAIL

; Run Time:             00:11.8
; Elapsed Time:         00:18.3
; Lines/CPU Min:          2584
; Lexemes/CPU-Min: 73962
; Memory Used:  66 pages
; Library Precompilation Complete
```

0156 AH-BT13A-SE
VAX/VMS V4.0

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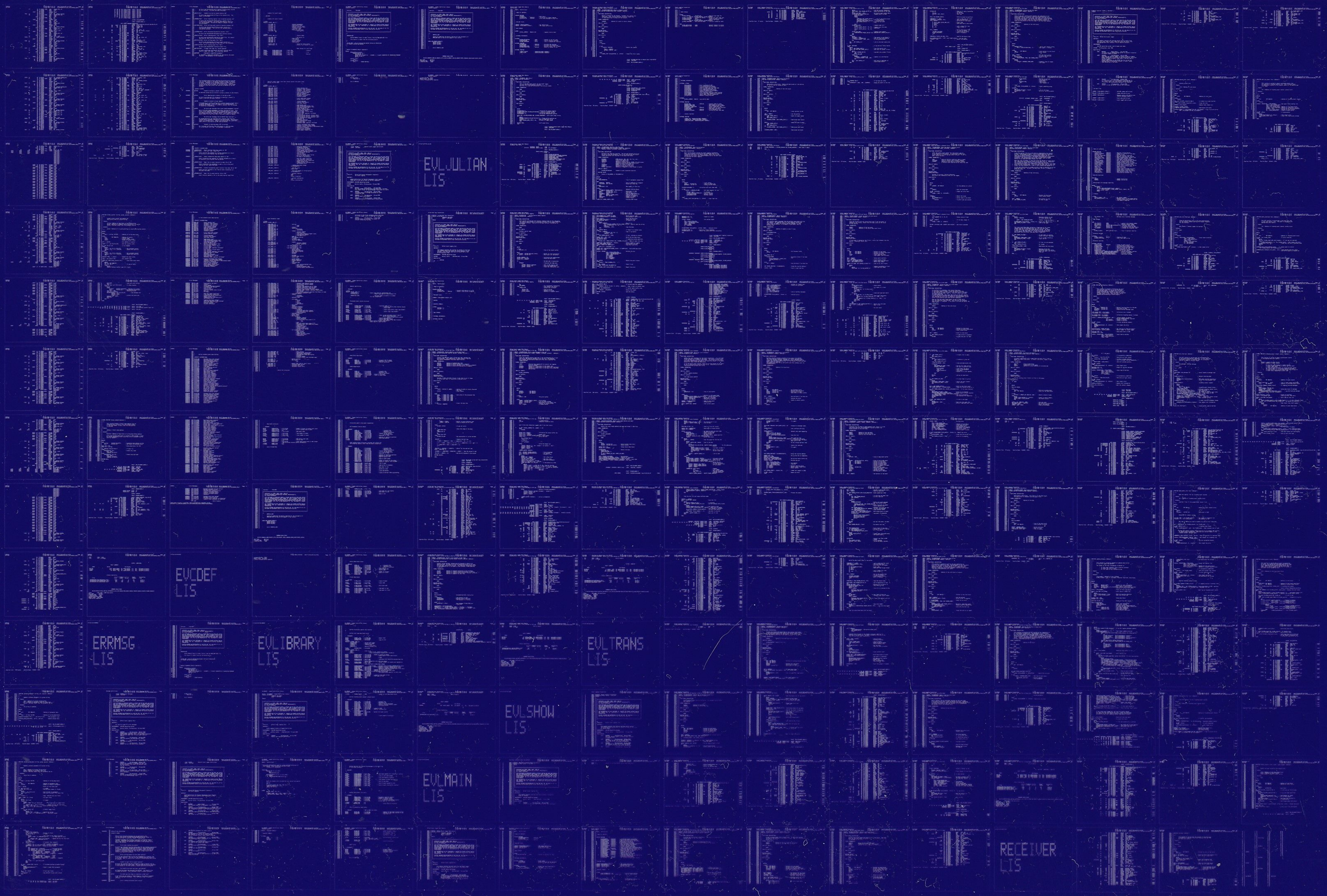

EVLJULIAN
LIS

EVCDEF
LIS

ERRMSG
LIS

EVLIBRARY
LIS

EVLTRANS
LIS

EVLSHOW
LIS

EVLMAIN
LIS

RECEIVER
LIS